10/585208 AP20 Rec'd PCT/PTO 03 JULY 2006 NO TRADEMARK OFFICE IN THE UNITED STATES PATENT AND TRADEMARK OFF

In re application of

Mail Stop: PCT Tsuyoshi IKUSHIMA et al.

Serial No. NEW Attorney Docket No. 2006-1059A

Filed July 3, 2006

PULSE SIGNAL DEMODULATION DEVICE [Corresponding to PCT/JP2005/012348 Filed July 4, 2005]

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TI JUNE MISHIONER IS AUTHORIZED FEEFOR ME WISSURDEROST.

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

[X]	each U.S. Patent and U.S. Patent application publication;
[]	each reference previously cited in the international application PCT/; and/or
[]	each reference previously cited in prior parent application Serial No.

1a. [X] This Information Disclosure Statement is submitted:

> within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. [] This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) [] the certification of paragraph 2 below is provided, or
- (2) [] the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.
- 1c. [] This Information Disclosure Statement is submitted:

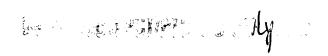
after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 2. It is hereby certified
 - a. [] that each item of information contained in this Information Disclosure

 Statement was first cited in any communication from a foreign patent office in a
 counterpart foreign application not more than three months prior to the filing of
 the Statement, or
 - b. [] that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.
- 3. [] Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.



- 4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
 - a. [] a full or partial English language translation submitted herewith,
 - b. [X] a foreign patent office search report (in the English language) submitted herewith,
 - c. [X] the concise explanation contained in the specification of the present application at page 4,
 - d. [X] the concise explanation set forth in the attached English language abstract,
 - e. [X] the concise explanation set forth below or on a separate sheet attached to the reference:

US 5,687,169; US 5,832,035; US 6,549,567; & US 2003/0189975 corresponds to JP 11-504480

5. [X] A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Tsuyoshi IKUSHIMA et al.

Nils E. Pedersen

Registration No. 33,145 Attorney for Applicants

NEP/krg Washington, D.C. 20006-1021 Telephone (202) 721-8200 Facsimile (202) 721-8250 July 3, 2006

Sheet 1 of 1 INFORMATION DISCLOSURE STATEMENTS CONTINUE OF THE 1000C											
FORM PTO 1449 (modified)				ATTY DOCKET NO. 2006-1059A NEW							
		TMENT OF COMMERCI D TRADEMARK OFFICE		APPLICANT 20/58520					208		
LIST OF	REFEREI	NCES CITED BY APPLICAN eral sheets if necessary)	1 T(S)	Tsuyoshi IKUSHIMA et al.							
Date Submitted to PTO: July 3, 2006				FILING DA			GROUP 2613				
U.S. PATENT DOCUMENTS											
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	SS FILING DATE IF APPROPRIATE			
/M.R.S./	AA	5,687,169	11/1997	F	ullerton	ton					
/M.R.S./	АВ	5,832,035	11/1998	F	ullerton						
/M.R.S./	AC	6,549,567	4/2003	F	ullerton						
/M.R.S./	AD	2003/0189975	10/2003	F	ullerton						
	AE										
	AF										
	AG										
	АН				_						
	AI								-		
FOREIGN PATENT DOCUMENTS											
		DOCUMENT NUMBER	DATE	C	COUNTRY CLASS SUBCLASS TRANSLAT		TION NO				
/M.R.S./	AJ	11-504480	4/1998		JP						
/M.R.S./	AK	2004-350284	12/2004		JP			abstract	_		
	AL										
	AM										
	AN										
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)											
/M.R.S./	AO										
/M.R.S./	AP	Zhengdao Wang et al., "Ultra Wide-Band Communications With Blind Channel Estimation Based on First-Order Statistics", IEEE International Conference on Acoustics, Speech and Signal Processing 2004, Vol. 4, May 17, 2004, pgs. IV-529 to IV-532.									
/M.R.S./	AQ	Takatoshi Ogawa et al., "UWB over Fiber Denso System no Kaihatsu to Denpan Sokutei eno Oyo", 2004 Nen the Institute of Electronics, Information and Communication Engineers Sogo Taikai Koen Ronbunshu, Kiso · Kyokai, March 8, 2004, pg. 170.									
EXAMINER	NER /M. R. Sedighian/				DATE CONSIDERED 07/15/2009						